BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Improvements to roads and drains at Kogilu And Kogilu Layout in ward No.06 Byatarayanapura Sub Division**

Estimated Cost : **70.00 Lakhs**

P Code **P-3726**

ಅಂದಾಜು ಪಟ್ಟಿಯ ವರದಿ

ವಿಷಯ: ವಾರ್ಡ್ ನಂ. 06(ಕೋಗಿಲು) ವ್ಯಾಪ್ತಿಯ Improvements to Roads and drain at Kogilu and Kogilu Layout in Ward No.06 Byatarayanapura Sub Division ಕಾಮಗಾರಿಗೆ ಅನುಮೋದನೆ ನೀಡುವ ಕುರಿತು.

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ವಾರ್ಡ್ ನಂ. 06(ಕೋಗಿಲು) ವ್ಯಾಪ್ತಿಯ Improvements to Roads and drain at Kogilu and Kogilu Layout in Ward No.06 Byatarayanapura Sub Division ಕಾಮಗಾರಿಗೆ ರೂ. 70.00 ಲಕ್ಷಗಳ ಅಂದಾಜು ಮೊತ್ತದಲ್ಲಿ 2022-23 ನೇ ಸಾಲಿನ ಆಯವ್ಯಯದ ಲೆಕ್ಕಶಿರ್ಷಿಕೆ ಪಿ-3726ರ ಕಾಮಗಾರಿ ಕ್ರಿಯ ಯೋಜನಾ ಪಟ್ಟಿಯಲ್ಲಿ ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು ಅವಕಾಶ ಕಲ್ಪಿಸಲಾಗಿದ್ದು, ದಿನಾಂಕ: 06.08.2022 ರಂದು ನಡೆದ ವಾರ್ಡ್ ಮಟ್ಟದ ಸಾರ್ವಜನಿಕ ಲೋಕೋಪಯೋಗಿ, ನಗರ ಯೋಜನೆ ಮೂಲ ಸೌಕರ್ಯ ಸ್ಥಾಯಿ ಸಮಿತಿ ಸಭೆಯ ನಡವಳಿ ವಿಷಯದ ಸಂಖ್ಯೆ. 178/2022-2 ರಲ್ಲಿ ಮಾನ್ಯ ಆಡಳಿತಗಾರರು ಅನುಮೋದಿಸಿರುತ್ತಾರೆ.

ಅದರಂತೆ ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ಕೋಗಿಲು ಪ್ರಕೃತಿನಗರ ಮತ್ತು ಕೋಗಿಲು ಬಡಾವಣೆಯಲ್ಲಿ ರಸ್ತೆ ಡಾಂಬರೀಕರಣ ಮಾಡುವ ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಳ್ಳಲು ಸ್ಥಳ ಪರಿಶೀಲನೆ ಮಾಡಿ, ಅಗತ್ಯ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಈ ಕೆಳಕಂಡ ಐಟಂಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ.

1. ರಸ್ತೆ ಬದಿ ಚರಂಡಿಗಳಲ್ಲಿ ತುಂಬಿರುವ ಹೂಳನ್ನು ತೆಗೆದು ಹೊರಸಾಗಿಸುವುದು,
2. ಹಾಲಿ ಇರುವ ಮಣ್ಣು ರಸ್ತೆಗೆ ವೆಟ್‌ಮಿಕ್ಸ್ ಹರಡುವುದು
3. ಜಿ.ಎಸ್.ಬಿ ಅಳವಡಿಸುವುದು.
4. ಬಿ.ಎಂ ಮತ್ತು ಬಿ.ಸಿ ಮಾದರಿಯ ಡಾಂಬರೀಕರಣ ಮಾಡುವುದು
5. ಚರಂಡಿಯ ಹೂಳನ್ನು ಹೊರಸಾಗಿಸುವುದು ಹಾಗೂ ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅಂದಾಜಿನಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.

ಮೇಲ್ಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು PWD SR- 2021-22 ದರಪಟ್ಟಿ ದರಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಗೆ 2022-23ನೇ ಸಾಲಿನ ಅನುದಾನದ ಲೆಕ್ಕ ಶಿರ್ಷಿಕೆ ಪಿ-3726ರ ಅಡಿಯಲ್ಲಿ ಅನುಮೋದಿಸಿ, ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ, ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿ ಕಾಮಗಾರಿಯನ್ನು ತುರ್ತಾಗಿ ಕೈಗೊಳ್ಳಬೇಕಾಗಿರುವುದರಿಂದ ಟೆಂಡರ್ ಕರೆದು ಗುತ್ತಿಗೆದಾರರನ್ನು ನೇಮಿಸಿ ಕಾರ್ಯದೇಶ ನೀಡಲು ಈ ಮೂಲಕ ತಮ್ಮಲಿ ಕೋರಲಾಗಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-28

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to roads and drains at Kogilu And Kogilu Layout in ward No.06 Byatarayanapura Sub Division

Estimation Cost.Rs 7000000.00

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. (PWD SR 2021-22 Vol -I Pg No 5 item no 1.4.1)								
	For Desilt								
	Prakruthi nagar								
	Cross Road	Cum	2	120	0.45	0.50	54.00		
	Cross Road	Cum	2	100	0.45	0.50	45.00		
	Basic rate	186.00							
	Area weightage 10%	18.60							
	Sub Total	204.60							
	Total						99.00	204.60	20256.00
2	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth (PWD SR 21-22 Vol I Pg no 8 Item No 1.12)								
	Prakruthi nagar								
	Cross Road	Cum	1	120.00	5.50	0.23	151.80		
	Cross Road	Cum	1	100.00	5.50	0.23	126.50		
	Kogilu								
	Kogilu Bande Road	Cum	1	276.00	6.30	0.38	660.74		
	Basic rate	65.00							
	Area weightage 10%	6.50							
	Sub Total	71.50							
	Total						939.04	71.50	67142.00
3	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 (For Grading -V Material) (PWD SR 21-22 Vol III Pg no 19 Item No 4.1 A (v))								
	Kogilu								
	Kogilu Bande Road	Cum	1	276.00	6.30	0.15	260.82		
	Basic rate	2347.00							
	Area weightage 10%	234.70							
	Sub Total	2581.70							
	Total						260.82	2581.70	673359.00
4	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density MORTH Specification No. 406 (PWD SR 21-22 Vol III Pg no 24 Item No 4.27 (A)								
	Prakruthi nagar								
	Cross Road	Cum	1	120.00	5.50	0.23	151.80		
	Cross Road	Cum	1	100.00	5.50	0.23	126.50		
	Kogilu								
	Kogilu Bande Road	Cum	1	276.00	6.30	0.23	399.92		
	Basic rate	2394.00							
	Area weightage 10%	239.40							
	Sub Total	2633.40							
	Total						678.22	2633.40	1786036.00

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
5	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification No. 502 (PWD SR 21-22 Vol III Pg no 29 Item No 5.1 A (i))								
	Prakruthi nagar								
	Cross Road	Sqm	1	120.00	5.50		660.00		
	Cross Road	Sqm	1	100.00	5.50		550.00		
	Kogilu								
	Kogilu Bande Road	Sqm	1	276.00	6.30		1738.80		
	Basic rate	42.00	✓						
	Area weightage 10%	4.20							
	Sub Total	46.20							
	Total						2948.80	46.20	136235.00
6	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects (PWD SR 21-22 Vol III Pg no 33 Item No 5.12 (C))								
	Prakruthi nagar								
	Cross Road	Cum	1	120.00	5.50	0.05	33.00		
	Cross Road	Cum	1	100.00	5.50	0.05	27.50		
	Kogilu								
	Kogilu Bande Road	Cum	1	276.00	6.30	0.05	86.94		
	Basic rate	9139.00	✓						
	Area weightage 10%	913.90							
	Sub Total	10052.90							
	Total						147.44	10052.90	1482200.00
7	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom MORTH Specification No. 503 (PWD SR 21-22 Vol III Pg no 29 Item No 5.4 (ii))								
	Prakruthi nagar								
	Cross Road	Sqm	1	120.00	5.50		660.00		
	Cross Road	Sqm	1	100.00	5.50		550.00		
	Kogilu								
	Kogilu Bande Road	Sqm	1	276.00	6.30		1738.80		
	Basic rate	14.00	✓						
	Area weightage 10%	1.40							
	Sub Total	15.40							
	Total						2948.80	15.40	45412.00
8	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects (PWD SR 21-22 Vol III Pg no 36 Item No 5.15 5.15 (C) .								
	Prakruthi nagar								
	Cross Road	Cum	1	120.00	5.50	0.04	26.40		
	Cross Road	Cum	1	100.00	5.50	0.04	22.00		
	Kogilu								
	Kogilu Bande Road	Cum	1	276.00	6.30	0.04	69.55		
	Basic rate	10611.00							
	Area weightage 10%	1061.10							
	Sub Total	11672.10							
	Total						117.95	11672.10	1376748.00
9	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. MORTH Specification No. 803 (PWD SR 21-22 Vol III Pg no 57 Item No 8.15)								
	Prakruthi nagar								
	Cross Road	Sqm	2	120.00	0.10		24.00		
	Cross Road	Sqm	2	100.00	0.10		20.00		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Kogilu								
	Kogilu Bande Road	Sqm	2	276.00	0.10		55.20		
	Basic rate	478.00							
	Area weightage 10%	47.80							
	Sub Total	525.80							
	Total						99.20	525.80	52160.00
10	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1A)								
	Qty Vide frm Item No-01+02	Cum					1038.04		
	Total						1038.04	129.80	134739.00
	Basic rate	118.00							
	Area Weightage 10%	11.80							
	Total	129.80							
11	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4A)								
	Qty frm Item No-10	t.Km		1155.85	1.28		1479.48		
	Total						1479.48	105.60	156234.00
	Basic rate	12.00							
	8Km 12*8	96.00							
	Area Weightage 10%	9.60							
	Total	105.60							
								Grand Total	5930521.00
								GST Charges (18% of estimated cost)	1067494.00
								Miscellenious and rounding	1985.00
								Total Amount	7000000.00
								RUPEES SEVENTY LAKH ONLY	

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019, PWD 2021-2022, Issue rates and Data Rates.

Assistant Engineer
BBMP

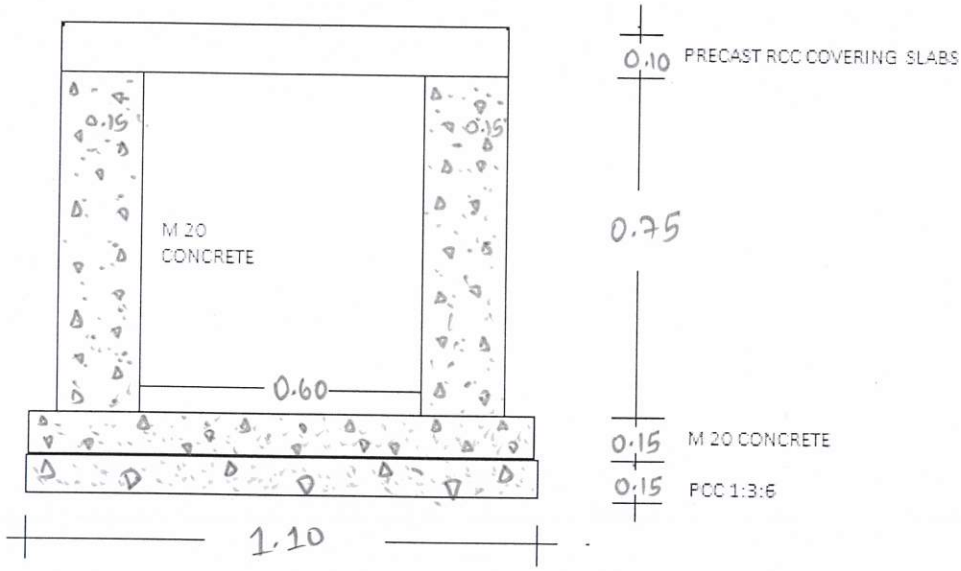
Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

ADMINISTRATIVE APPROVAL
Accorded For Rs. Rs. 70.00 Lakhs only
Head of A/C. P5726
Div. Ref No. 42 Date 21/02/23
AE EE (BTP)

Technical Sanction
Accorded For Rs. 70.00 Lakhs
Head of A/C P-3726
CER NO : 97 Dt: 16/09/22

Name of work : Improvements to Roads and drain at Kogilu and Kogilu Layout in ward no 06 Byatarayanapura Sub Division

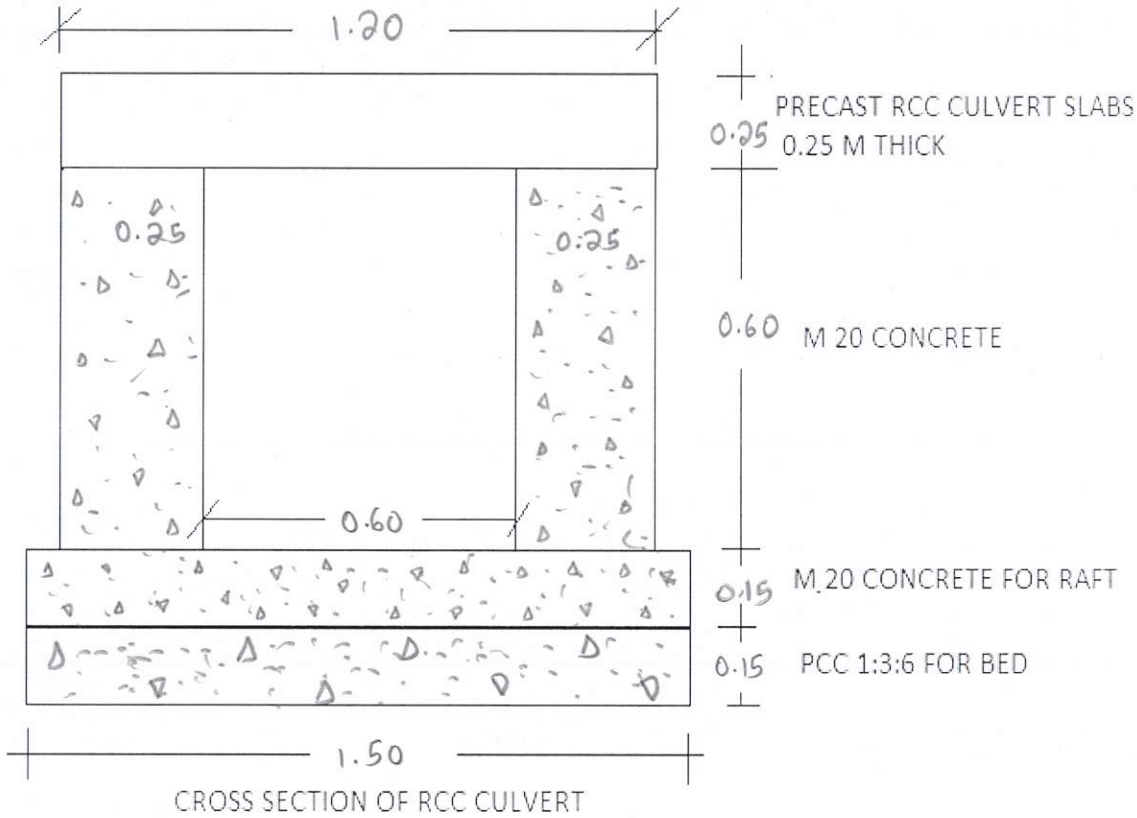


CROSS SECTION OF RCC DRAIN

Assistant Engineer
Ward no 06

Assistant Executive Engineer
Byataraynpura sub division

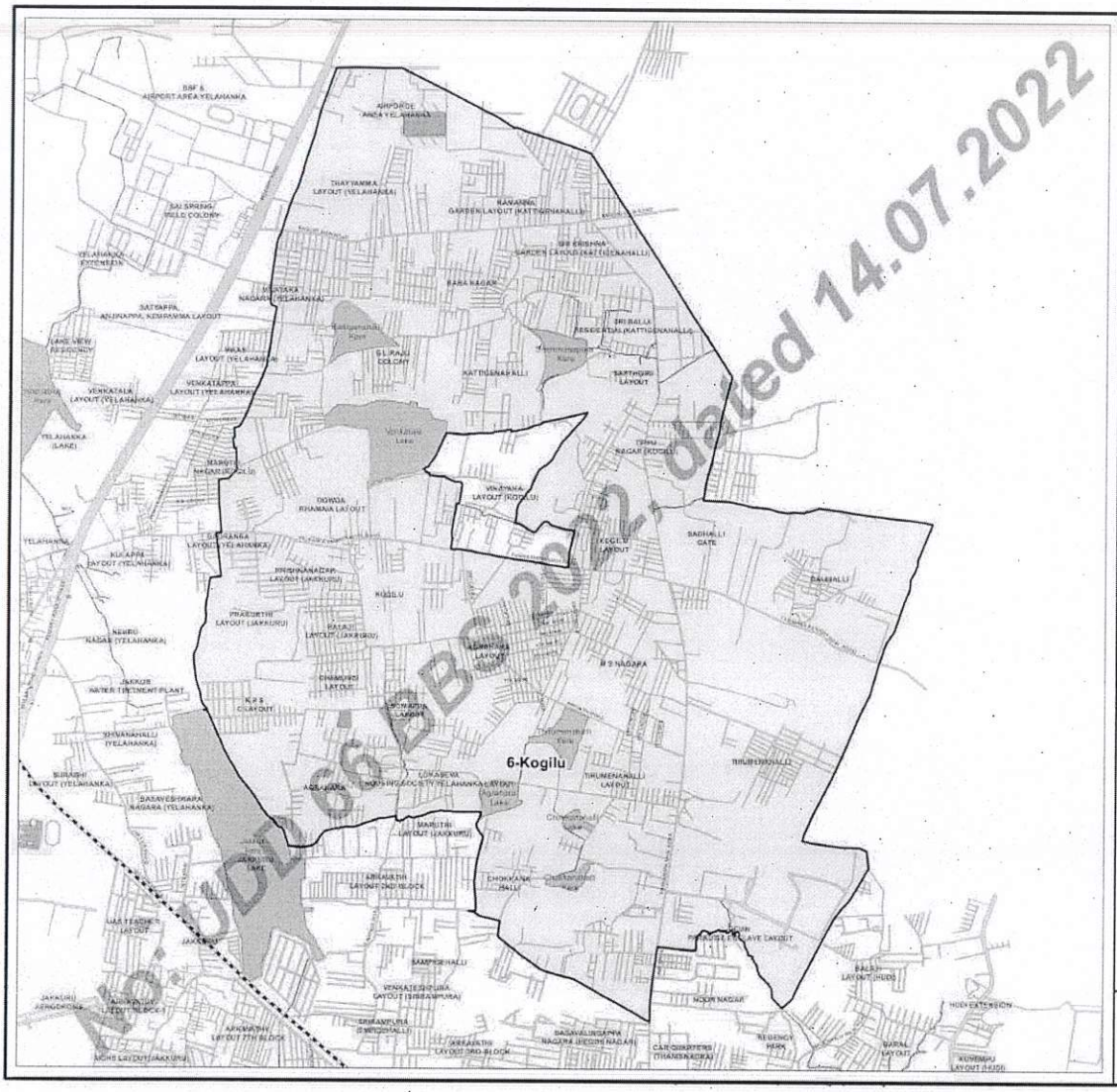
Name of Work : Improvements to Roads and drain at Kogilu and Kogilu Layout in ward no 06 Byatarayanapura Sub Division



CROSS SECTION OF RCC CULVERT

Assistant Engineer
Ward no 06

Assistant Executive Engineer
Byataraynpura sub division



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Delimitation of Wards in BBMP - 2022

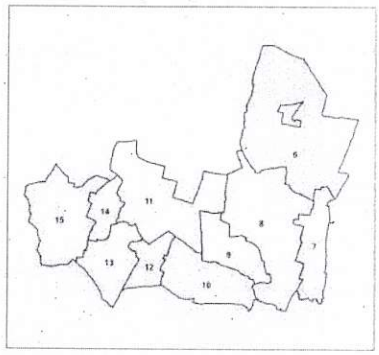
Delimited Ward Name

6-Kogilu

Legend

- Delimited Ward Boundary
- Delimited Ward Area
- Road
- Railwayline
- Park
- Tank/ Pond/ Storm Water Drain

152-Byatarayanapura AC



Government of Karnataka Notification
No: UDD 66 BBS 2022, Bengaluru, dated 14-07-2022

Urban Development Department
Government of Karnataka

UDD 66 BBS 2022, dated 14.07.2022

ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26